BEDES Technical Working Group

Eighth Meeting—Thursday July 17, 2014 1:30-3:00 EDT (10:30a-12:15p PDT)

Web login is www.readytalk.com, Access code 2642120
Call-in number is 1-866-740-1260, Access code: 2642120

Convener: Rick Diamond, LBNL

Facilitator: Dr. Jonathan Raab, Raab Associates, Ltd.

Meeting Summary (all times in EDT)

33 people participated in the TWG meeting by phone. The consolidated slides from the meeting can be found on the website.

1:30 **Welcome, Introductions, and Today's Agenda—Rick and Jonathan**

1:35 **BEDES Mapping Example**
An example of mapping an existing implementation to BEDES terms using Excel.

Implementation Field Name	BEDES Term	BEDES Mapping
Lot Number	Identifier Label	="Tax Map Number"
	Identifier Value	=[value]
Gross Floor Area	Floor Area Type	="Gross"
	Floor Area Value	=[value]
Occupied Floor Area	Floor Area Type	="Occupied"
	Floor Area Value	=[value]
Site EUI	Site Energy Use Intensity (EUI)	=[value]
	Resource	="Combination"
	End Use	="Whole building"
	Interval Frequency	="Annually"

1:45 **Highlights & Issues from Initial Module 2 Posted Topics**
1. Envelope (Robin)
   Proposed changes:
   - Rename "Dimension" to "Linear Dimension"
   - Rename "Air Infiltration" to "Air Leakage"
   - Consider splitting up various surfaces (wall, roof, floor)
   - Insulation Quality list is okay—no need for detailed descriptions.

2. Measures & Measure Consolidation (Shankar)

- Rename "Non-Resource Cost Savings" to something else, consider "Related Cost Savings"
- Consider providing documented guidelines for implementing.

3. Energy Storage & Generation (Lindsay)
   - Need more definitions of Power.
   - Combine various efficiency-related terms.

4. Controls & Operations (Andrea)
   - Expand definitions.
   - Clearly define "on" – it may differ for different equipment
   - Include economizer control characteristics

2:45   **Looking ahead to next three Module 2 Topics—Rick and LBNL Team**

1. HVAC
2. Internal Loads
3. Process Loads

3:00   **Forum comments on "BEDES compliant"**

Andrea briefly introduced the following chart describing the concept of BEDES "compliance" discussed initially at the last SWG meeting. Although there were some initial questions about it, further discussion was deferred for the forum and the September SWG meeting.

Criteria	Certified Mapping	Compliant Exchange Format
Application	Any Implementation[1]	Software file formats
Map to BEDES terms[2]	Yes	Yes
BEDES Host approves mapping	Yes	Yes, unless developed using BEDES exclusively
BEDES Host approves file format[3]	No	Yes
Public publishing	Optional	Optional
Use "BEDES" in it's product marketing	Optional	Optional
Examples	Mapping of: CEUS, CBECS, Portfolio Manager	*BEDES for Commercial Audits, BEDES for Residential Audits, BEDES for Energy Data*

[1] Implementation refers to any software application, database, survey, schema, etc.
[2] Not all BEDES terms have to be used, only those that apply. Additional fields that are out of BEDES scope are allowed.

[3] The exchange format does not apply to the database or internal schema, only to files meant to exchange data in or out of the software. May also include a schema, validation rules, etc.

3:15   **Adjourn**

Participants on call

1. Magnus Cheifitz
2. Mark Costa
3. Michael Deru
4. Rob Hitchcock
5. Devan Johnson
6. Jon Keck
7. Aurora Sharrard
8. Deke Smith
9. Daniel Studer
10. Elena Alschuler
11. Andrea Mercado
12. Jonathan Raab
13. Jessie Knapstein
14. Rick Diamond
15. Shankar Earni
16. Lindsay Holiday
17. John Mejia
18. Robin Mitchell
19. James Finlay
20. Avery Kintner
21. Darren Port
22. Daniel Fehrenbach
23. Steven Abercrombie
24. Barbara Hernesman
25. Bob Hendron
26. Alan Chen
27. Jayson Antonoff
28. Rob Larson
29. Julie Caracino
30. Nora Wang
31. Amir Roth
32. Mike Brauch
33. Gowri Rajappan